UV-MAX-D
Decontamination Unit for HVAC Systems

The UV-MAX-D is installed as a UV barrier in the end segments of ventilation systems. In this capacity, it serves to inhibit the spread and distribution of dangerous viruses, bacteria, fungus, and spores within the affected systems.
A high-output mid-pressure lamp allows for reliable decontamination even at high air speeds (e.g. in narrow ducts within ventilation systems).

We recommend the use of UV-MAX-D when large volumes of air (10.000 m³/h) at constant speed must be decontaminated. The UV-MAX-D continually reduces microbial contamination, and effectively inhibits the spread of unpleasant pathogens in ventilation systems. High-output mid-pressure lamps achieve especially strong results in the elimination of fungus, which is otherwise very difficult to remove. An additional advantage of the UV-MAX-D is that it works not only through the destructive effect of UV-C irradiation on cell DNA, but also destroys cell membranes, cytoplasmic proteins, and numerous enzymes. The effect on the cell structure of affected germs is thereby stronger and more effective.

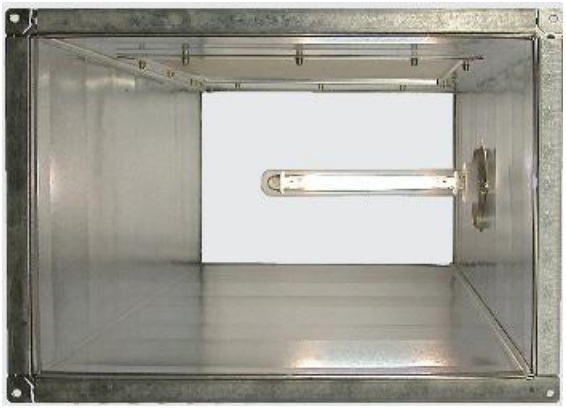
Without the application of UV-C disinfection, an unpleasant biofilm will grow on all inner surfaces of climate control systems. The gathering, reproduction, and distribution of microorganisms is greatly accelerated by conditions within climate control systems, which include darkness, high humidity and temperature swings.

UV-MAX-D inhibits so-called “sick building syndrome”, Monday fever, asthma and allergies.
UV-MAX-D allows for continuous control over always increasing standards of hygiene.

At the same time, climate control systems are kept clean, and expensive as well as environmentally unfriendly chemicals can be avoided. The application of UV-DUCT-FL systems is important, not only with the goal of improving air quality, but also in order to reduce the risk of cross-contamination and healthcare-associated infections. The UV-MAX-D is especially well suited to guarantee compliance with the high hygiene standards of the food industry.

Characteristics

- **UV-C high-output mid-pressure lamp**
- **Ozone-free by way of special quartz housing**
- **Lamps built into quartz tube**
- **Stainless steel retrofit adapter system**
- **Stainless steel housing AISI 304**
- **1000 or 2000 Watt output**
- **All components tested UV-C durable**
- **Safety category IP 55, class II**
- **Power provision through a separate housing with electronic ballast and external control device**
- **Easy installation from outside of the air duct**



uv-technik meyer gmbh
Glauburgstraße 34 | D-63683 Ortenberg
welcome@uv-technik.com | www.uv-technik.com